

NEWSLINE

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MICHAEL ANTHONY/TID

As part of the Laboratory's ongoing heightened state of security, the officers of the Protective Force Division are working 12-hour shifts to keep employees safe and secure.

PSOs step up efforts to stay on guard

By Elizabeth Campos Rajs

NEWSLINE STAFF WRITER

While most of the Lab's workforce has returned to some semblance of normalcy following the Sept. 11 terrorist attacks and subsequent U.S. actions, one group remains at a heightened state of alert: the officers of the Protective Force Division.

Whether they check badges at the gates,

patrol the site, conduct searches for explosives and other contraband at various entry points or work administratively, the Lab's protective force officers are working overtime to make sure the Laboratory is safe and secure.

The Lab's security status remains at a higher level alert than normal. As a result, all

See PSOs, page 8

Scramjet technology may be a propellant for hypersonic flight

By Gordon Yano

NEWSLINE STAFF WRITER

Hypersonic flight has long intrigued Lab aeronautical engineer Preston Carter. His HyperSoar concept for an aircraft that would fly at 6,700 miles per hour — fast enough to get you anywhere on the globe in less than two hours — won widespread attention in the industry and news media when it was unveiled in 1998.

Currently in the midst of a two-year assignment to the Defense Advanced Research Projects Agency (DARPA) as Scramjet Program Manager, Carter recently oversaw the first successful free flight of



The experimental vehicle that made the first successful free flight of a hypersonic vehicle is powered by scramjet engines.

an experimental hypersonic vehicle powered by scramjet engines, a propulsion system that could someday power hypersonic craft.

The miniature (four-inch-diameter) test vehicle and engine were launched last summer from a light-gas gun and flown along a 240-foot tunnel, producing enough thrust to reach a top speed of Mach 7.1 (5,325 mph).

See HYPERSONIC, page 8

Court orders release of Lab's pay equity study

A Laboratory study on pay equity for women and minority employees is about to be made public.

Recently, the Alameda County Superior Court ruled that a set of internal pay equity studies conducted by the Laboratory during the 1993-99 time frame should be released to plaintiffs in litigation involving pay equity for women. That lawsuit, Singleton vs. Regents of UC, was filed back in 1998.

The Laboratory strongly disagrees with the recent decision of the Alameda County Superior Court. "We believe the privacy of our employees is paramount and that the information in these documents is protected by attorney-client privilege," explained Jan Tulk, legal counsel and Associate Director for Administration.

Tulk noted, however, that the court does not

See STUDY, page 8

Partnership targets proteins to design new drugs

By Anne Stark

NEWSLINE STAFF WRITER

Phylos, Inc. is partnering with the Laboratory to develop high throughput methods for protein production to create research reagents and microarrays that may be used to design new drugs or disease diagnostic tools.

Under the terms of this collaboration, a team of LLNL scientists led by senior biomedical scientist Joanna Albala, will work closely with Phylos to develop automated methods for the expression and production of cellular proteins. In addition, the partnership provides Phylos broad access to the full-length cDNA collection of the LLNL-maintained IMAGE (Integrated Molecular Analysis of Genomes and their Expression) Consortium, which will be used for the expression of recombinant proteins. Founded in 1993, the IMAGE Consortium is a worldwide effort to array, map and sequence all human genes as well as

those of other species, such as mouse, and provide the clones and sequence information into the public domain.

"LLNL's expertise at miniaturization and automation, coupled with Joanna Albala's enthusiastic approach to apply this methodology to protein production, significantly advances Phylos' ability to generate complex target proteins," said Richard Wagner, senior vice president of Research at Phylos. "Phylos will use these target proteins for our own internal efforts, and to service our collaborators using our high throughput, custom-binding proteins for research reagent and microarray applications."

"I am honored to have the opportunity to work with Phylos and we at LLNL are eager to embark into this partnership," Albala said. "The capabilities that Phylos has developed are very exciting and will certainly make valuable contri-

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Teller's 'Memoirs' ready for release

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Survey Action Team nominations due

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Run for HOME needs your help

— Page 5



LAB COMMUNITY NEWS

Weekly Calendar

For more calendar items, see the Technical Meeting Calendar, page 4

Wednesday
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A representative from **Fidelity Investments** will be on site to meet with employees Oct. 17-18 and Nov. 7-8. Fidelity Investments are available to UC's 403(b) participants in addition to the UC-managed investment funds. To make an appointment, call the Fidelity Central Reservation System at 1-800-642-7131. Be sure to specify you are an LLNL employee.

...

Ravenswood Progress League is starting a series of five docent training classes at Ravenswood this fall. The first session, an orientation meeting, will be Wednesday, Oct. 17, at 7 p.m. at Ravenswood Historic Site, 2647 Arroyo Road in Livermore. Four more sessions are set for Oct. 24, Nov. 7, 14 and 28. These training sessions are free and open to the public. Contact: Cindy English, 447-9480, or Maryalice Faltings, 443-0238.

Saturday
13

The Livermore Art Association and Pleasanton Art League are hosting a free Art Studio Tour Oct. 13-14 from 10 a.m. to 4 p.m., featuring 30 Livermore and Pleasanton artist studios. See how paintings, jewelry, ceramics, woodturning and textiles are made by local artists. Items will also be offered for sale. Free maps are available at Goodenough Books and the Carnegie building in Livermore, and the Main Street Gallery in Pleasanton.

Up
COMING

B Division's fall book sale will return Oct. 29-31 and Nov. 1-2, 11:30 a.m. to 1:30 p.m., in Bldg. 132, room 1200 (Q- or L-cleared access only). Used books, videos, CDs and books-on-tape are needed; all proceeds are used to buy Christmas gifts for needy children. Each year the sales help agencies such as Toys for Tots, Tri-Valley Haven, Shepherd's Gate, FOCUS and Family Ties, plus individual families in need. A collection box is available in the lobby of Bldg. 132, in Health Services, Bldg. 663 lobby, and in Bldg. 253, room 1531. Contact: Lynn Groves, 2-1684.



**THE LAB
ON TV**

**BROADCAST
SCHEDULE**

Two new segments of the Lab's community television show, "**Technology Today**," are scheduled to air next week on channel 30.

A show on the Center for Global Security, featuring Jay Davis, will air on Monday at 8:30 p.m., Tuesday at 8:30 a.m., Thursday at 7 p.m.; Friday at 3:30 p.m., Saturday at 7:30 a.m. and 6 p.m., and Sunday at 7:30 a.m. and 6 p.m.

A show on LabVIEW, featuring Gary Johnson and Richard Jennings, will air on Wednesday at 3:30 and 8:30 p.m., and Friday at 8 p.m.

For suggestions for future shows, contact Liz Garcia at 2-7655.

Unique face shares universal experiences

The Affirmative Action & Diversity Program is celebrating Disabilities Awareness Week with a talk on "Facing Courage," by guest speaker David Roche at noon Tuesday, Oct. 23, in the Bldg. 543 auditorium.

Roche faces the world with a unique disability. His facial disfigurement is caused by an extensive cavernous hemangioma, a benign tumor consisting of blood vessels. While his face is unique, his experiences are universal.

"We all, no matter what our appearance or life circumstances, have to learn to value ourselves and the gifts we bring to the world,"



David Roche

Roche says.

Employees are invited to celebrate Disabilities Awareness Week as Roche shares how he has watched people's hearts open to courage as they come face to face with his disability.

Roche has performed at the White House and is best known for his one-man show, "The Church of 80% Sincerity."

In addition to this talk, AADP is also sponsoring a free sign language class, beginning Monday, Oct. 22, at noon in Bldg. 571, room 1335. The class will meet on Mondays and Wednesdays through Dec. 5. Bring your lunch. For more information call Cathy McClain at 3-6555.

Nobel Prize celebrates 100th anniversary

To mark the 100th anniversary of the Nobel Prize, more than a dozen Nobel laureates will hold a daylong symposium for the public on Friday, Oct. 26, at the Palace of Fine Arts in San Francisco.

The Nobel Prize is considered the most prestigious award in science, and California's universities and research institutions have more Nobel laureates than any other state, or country. The symposium will begin at 9 a.m. with an exploration of the impact of the prize on the fields of science, literature, economics and peace, from the personal and professional perspectives of the laureates.

Other sessions include a discussion of Alfred Nobel, his historic will, and the rigorous award selection process. The event will include a round-table with questions from high school students, excerpts from a new KQED-TV documentary on the Nobel centennial, and a reception with the laureates. Segments from the KQED documentary, to air in January, include a conversation between Literature Laureates Gabriel Garcia Marquez (1982) and Gao Xingjian (2000), Peace Laureate Elie Wiesel (1986) speaking on the social responsibility of scientists; and

Literature Laureate Toni Morrison (1983) reflecting on Madame Marie Curie (Physics 1903 and Chemistry 1911) and women's role in science.

Nobel laureates at the symposium will include Paul Berg (Chemistry 1980), Michael Bishop (Physiology or Medicine, 1989), Steven Chu (Physics 1997), Milton Friedman (Economics 1976), Donald Glaser (Physics, 1960), Daniel McFadden (Economics, 2000), Douglas Osheroff (Physics 1996), Martin Pearl (Physics 1995), Burton Richter (Physics 1976), William Sharpe (Economics 1990), Baruch Blumberg (Physiology or Medicine, 1976), Martin Perl (Physics, 1995), Paul Boyer, Alan Heeger, Rudolph Mossbauer (Physics, 1961) and Kary Mullis (Chemistry, 1993).

Ticket prices are \$25, general admission; \$15, students, Exploratorium members and partner institutions. The price includes break refreshments, box lunch and reception at the Exploratorium. For tickets and reservations, call 415-561-0308 (M-F, 10 a.m.-4 p.m.) or email: reservations@exploratorium.edu with your name, address, daytime phone and number of tickets.

IN MEMORIAM

Richard Hunt

Services have been held for Richard W. Hunt, a Lab retiree, who died Sept. 5. He was 77.

Hunt was born in Whitinsville, Mass., and was a veteran of the U.S. Navy, serving as a gunner on a torpedo bomber stationed on the USS Yorktown during World War II.

He earned a mechanical engineering degree from the University of California, Berkeley in 1952. Hunt came to the Lab in 1957 and worked in Plant Engineering for 31 years.

Hunt and his wife, Carolyn, were active volunteers with Youth for Understanding and had hosted 22 exchange students in their home. They also volunteered as area representatives for the program.

He was an active member of the Pleasanton Presbyterian Church and its Wednesday morning men's group. He also volunteered with Habitat for Humanity through the church and with the 4-H program when his children were younger.

Hunt was an avid golfer with the Sons in Retirement (SIRS) group, the Las Positas Senior Golf Club and the LLESA Golf Networking Group.

After retirement in 1988, he and Carolyn volunteered weekly at the San Francisco Zoo as docents and traveled extensively through Europe and Australia, visiting their exchange students.

His wife preceded him in death in 1993. Survivors include sons Tim, Dave, Don and Rich; daughter Jan; six grandchildren and one great grandchild.

Contributions in his memory may be sent to Hope Hospice, 6500 Dublin Blvd, Suite 11, Dublin 94568 or Pleasanton Presbyterian Church for Walking by Faith Capital Campaign, 4300 Mirador Drive, Pleasanton 94566.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Contacts:

Managing editor: Lynda Seaver, 3-3103

Contributing writers: Sheri Byrd, 2-2379; Don Johnston, 3-4902; Elizabeth Rajs, 4-5806; David Schwoegler, 2-6900; Anne Stark, 2-9799; Steve Wampler, 3-3107; Gordon Yano, 3-3117. For an extended list of Lab beats and contacts, see <http://www.llnl.gov/llnl/06news/NewsMedia/contact.html>

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AROUND THE LAB



LLESA offers link to Teller's 'Memoirs'

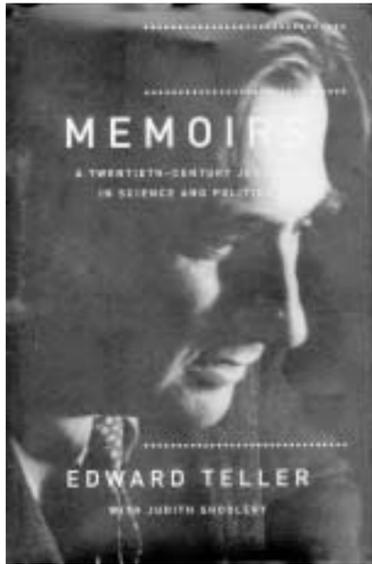
Starting today, orders may be placed at the Livermore Laboratory Employee Services Association (LLESA) Office for a long-awaited book — the autobiography of Director Emeritus Edward Teller, who co-founded the Laboratory in 1952.

Teller's book, entitled "Memoirs: A Twentieth Century Journey in Science and Politics," was written with retired Hoover Institution book editor Judith Shoolery. Printed by Perseus Publishing, the autobiography goes on sale in bookstores Nov. 1.

While the book will retail in stores for \$35, it will be sold on a pre-order basis for the next three weeks, through Oct. 31, for \$21 at the LLESA Office located in Bldg. 415, Room 142.

Considered one of the top scientists of the 20th century, Teller was present at many of the pivotal moments in modern science — and in his book he describes his friendships with scientists such as Niels Bohr, Enrico Fermi, Leo Szilard and Johnny von Neumann.

Along with Ernest O. Lawrence, Teller was involved in founding the Laboratory and served as



its director from 1958-1960.

In his book, Teller writes at length about the early days of Lawrence Livermore National Laboratory and the people who made LLNL work, along with a chapter about the efforts he and Lawrence made to establish the Laboratory. The life of Teller, which has spanned 10 decades, is in part a story of the 20th century. Born in Hungary in 1908, Teller saw the rise of Nazism and anti-Semitism, two world wars and the development of big science.

An advocate of freedom through a strong national defense, Teller worked on the Manhattan Project during World War II, pushed for the development of the hydrogen bomb and also backed efforts for a missile

defense program.

As a part of making Teller's "Memoirs" available, the LLESA Website has a pre-order form that can be completed and printed at: <http://llesa.llnl.gov/books/>.

The order form should be hand-carried — with a check made out to LLESA — to the LLESA Office, which is open weekdays from 10 a.m. to 4 p.m. Orders are due by Oct. 31.

Last call for submitting nominations to serve on Survey Action Teams

Today is the last day to submit nomination forms for members of the Survey Action Teams.

Each team, consisting of 10-12 members, will analyze the results of the employee survey, "Assessing the Workplace," and make recommendations to improve seven focus areas. The focus areas, along with their co-chairs are:

- Salary / Compensation (ADs Hal Graboske and Dona Crawford)
- Training and Career Development (ADs Den Fisher and C.K. Chou)
- Performance Management (Deputy Director Jeff Wadsworth and AD Jan Tulk)

- Work / Life Balance (AD Wayne Shotts and acting deputy AD Bruce Warner)

- Employee Empowerment (AD Bruce Goodwin and acting AD Bert Weinstein)
- 800s/900s (AD Steve Hunt and acting AD Jens Mahler)
- Post-docs (AD Bill Goldstein and acting University Relations Program Director Laura Gilliom).

"The data from this survey and the recommendations from these Survey Action Teams will guide what the Laboratory looks like in the future," said Wadsworth, who co-chairs the steering committee along with Tulk.

"It is important to get a good cross section of our workforce on these teams in order to assure the proposed actions respond to the broad spectrum of employee views and institutional needs," added Tulk.

The Survey Action Team members will be selected Monday, Oct. 15, by the Survey Action Committee, which includes the SAT co-chairs. Directorates will nominate team members, and employees may also self-nominate. Members may be asked to devote up to 50 percent of their time during the next three months (an account number will be provided) to the teams' work.

Each Survey Action Team will analyze the Lab's strengths and weaknesses, interpret the survey results and recommend solutions in their particular thrust areas. The SATs are also asked to identify "quick fixes" that can be implemented or committed to immediately, rather than put these items in a three-month review process.

Recommendations from the action teams are due to the Survey Action Steering Committee by Dec. 1. Director Bruce Tarter has requested final reports from the Survey Action Teams and steering committee be completed by Jan. 23. Action options will be discussed at the Senior Management Offsite in February.

All self-nominees must have approval from their supervisors. Nomination forms must be received by close of business today (Oct. 12). Send nomination forms to Joni Lawson, L-1 or deliver to Bldg. 111, room 501A.

A copy of the nomination form is included in this edition of *Newsline*. You can also access the form, and get more information about the survey process, on the Grapevine at <https://www-ais.llnl.gov>; click on "Employee Survey Results."

ASSESSING
THE
WORKPLACE

Sparks' leadership earns honors from DOE

Sandy Sparks, manager of DOE's Computer Incident Advisory Center, has been awarded the first Charlene Douglas Memorial Award for "sustained, outstanding contributions in a leadership role."

The award was presented to Sparks earlier this year at the annual DOE Computer Security Group training conference in Cincinnati. "I was totally blown away," Sparks said. "It's a great honor to receive the first award named for such an outstanding and courageous person."

The award is named for Charlene Douglas, who helped build computer security programs at Los Alamos National Laboratory and DOE. Douglas, who joined LANL in 1967, died Jan. 1, 2000, after a battle with cancer. Sparks and Douglas worked closely together over the years. "Charlene demonstrated great leadership and initiative," Sparks said.

Sparks has led the Computer Incident Advisory Capability, or CIAC (*pronounced "see-ac"*), for the last eight years and has seen the organization's mission for DOE evolve and expand to include not only incident handling, but security training, security vulnerability assessment and threat analysis.

Created in 1989, CIAC currently has a staff of 30 computer scientists, technicians and administrative support.

"We have become more proactive. We are



Sandy Sparks

moving to an early warning capability," Sparks said, noting that the organization has developed sophisticated intrusion detection capabilities. "We're able to take more initiative and our efforts are starting to pay off."

Nonetheless, the threat of computer attacks via malicious code, such as viruses and worms, is rapidly evolving, and Sparks emphasizes that a key to preventing such incidents is individual awareness. She recommends not opening unexpected e-mail attachments, particularly if sent by someone unknown to the recipient, and updating anti-virus sig-

natures at least once a month.

Sparks' technical skills, enthusiasm, initiative, ability to motivate her staff, and her "strong customer orientation" were cited in her award nomination. It went on further to say, "Sparks is always thinking outside the box, looking for new and innovative ways to increase security awareness and to leverage the achievements of others outside the DOE in order to help DOE meet its cyber-security missions."

Note: CIAC is the computer incident response team for the Department of Energy. It was established at LLNL in 1989 through the efforts of Chuck Cole. You can learn more about CIAC's mission and services by visiting the CIAC Website at www.ciac.org/ciac.



NEWS YOU CAN USE

Energy conservation has worker-safety benefits

Stage Two and Three alerts have become a part of our working lives and we have been regularly asked to reduce the use of non-essential electrical power. The good news is that when the overhead lights are turned down, people often find that they are more comfortable.

The general rule is that lighting is most comfortable when the brightness of the computer screen and the field of view are relatively equal, and this means quite a reduced amount of ambient light.

The American National Standard for Visual Display Terminal Workstations recommends an illuminance in the range of 20 to 50 foot-candles. In layman's terms this is about half as bright as was typically used in non-computer office work areas. The Illuminating Engineering Society of North America also recommends that for computer work, the average illuminance on the work surface should not exceed 50-foot candles.

To test this comfort level for yourself, look straight ahead when all your overhead office lights are on and the window blinds open, then place your hand above your eyes like a visor. If you notice an immediate improvement in comfort, imagine the effects of working in excessive light for eight hours a day.

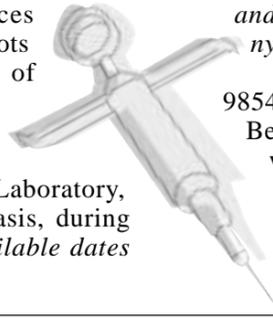
Ask your building coordinator to have some of the overhead fluorescent bulbs removed if you think that your office is too bright.

Computer viewing has many other important aspects that could affect your vision. These factors include: location of the monitor in relation to the available light, height and tilt of the monitor, distance of the monitor to your eyes as well as taking breaks and resting your eyes. You may also need prescription computer glasses to help when viewing your screen. These are available through the Safety Glasses office.

If you have specific vision related concerns, call the Safety Glasses Office at 2-5190. If you want help in evaluating your office lighting with a light meter, or need other help with computer ergonomics, contact your ES&H Team Industrial Safety Engineer.

Get your flu shot while supplies last

The Health Services Department is offering flu shots for \$7 during the month of October. (Health Services is passing on the increase in cost of the vaccine.) Clinics will be located throughout the Laboratory, on a first come first served basis, during the month of October (*the available dates*



and times are listed in the accompanying chart).

To schedule a flu clinic, call 4-9854, and speak to Kena or Misty. Beginning in November flu shots will be available at Health Services, Bldg. 663, 8 a.m. to 4 p.m., as long as the supply of vaccine lasts.

Health Services offers site-wide flu clinics

Day	Date	Times	Location
Tuesday	October 16	9:30-11 a.m. 1:30-3 p.m.	Bldg. 314 Rm. 1003 (CFO) Bldg. 132S Rm. 1193
Wednesday	October 17	9:30-11 a.m. 1:30-3 p.m.	Bldg. 543 Rm. Lobby Bldg. 323 2nd floor (FD)
Thursday	October 18	9:30-11 a.m. 1:30-3 p.m.	Bldg. 323 2nd floor (FD) CLOSED
Friday	October 19	9:30-11 a.m. 1:30-3 p.m.	Bldg. 131 Rm. 2547 (Crys) Bldg. 661 Rm. 7
Tuesday	October 23	9:30-11 a.m. 1:30-3 p.m.	Bldg. 551E NIF
Wednesday	October 24	9:30-11 a.m. 1:30-3 p.m.	Bldg. 323 2nd floor (FD) Bldg. 111 Rm. MornLite
Thursday	October 25	9:30-11 a.m. 1:30-3 p.m.	CLOSED available for booking
Friday	October 26	9:30-11 a.m. 1:30-3 p.m.	NIF Bldg. 332 Rm. 1142
Tuesday	October 30	9:30-11 a.m. 1:30-3 p.m.	available for booking BBRP
Wednesday	October 31	9:30-11 a.m. 1:30-3 p.m.	available for booking available for booking

Technical Meeting Calendar

Friday
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CHEMISTRY & MATERIALS SCIENCE

"The Interaction of HCI With Ice and NAT, Processes Relevant to Stratospheric Chemistry, Studied Theoretically," by Yves A. Mantz, MIT. 9:30 a.m. Bldg. 191, LX room. Contacts: Riad Manaa, 3-8668, or Sue Stacy, 4-2607.

DEFENSE & NUCLEAR TECHNOLOGIES

"Optimization-Based Reference-Matric Rezone Strategies for Arbitrary Lagrangian-Eulerian Methods on Unstructured Grids," by Mikhail Shashkov, Los Alamos National Laboratory. 1:30 p.m., Bldg. 319, room 205 (open area). Contacts: Alek Shestakov, 2-4213, or Colleen Camacho, 3-6878.

DEFENSE & NUCLEAR TECHNOLOGIES

"Nuclear Energy in the Coming Decade and Beyond," by Per F. Petersen, U.C. Berkeley. 10:30 a.m., Bldg. 132 auditorium (cleared area). Contact: Mark Herrmann, 2-6999.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"The National Ignition Facility: Technology, Status and Applications," by Edward Moses, NIF Programs. Bldg. 319, room 205 (open area). Contacts: Kem Cook, 3-4634, or Joanna Allen, 3-0621.

Monday
15

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Similarity Search and Indexing in Very Large Image Databases," by Jelena Tesic, UC Santa Barbara. 11 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Imola Fodor, 4-5420, or Terry Garrigan, 3-6209.

DEPARTMENT OF APPLIED SCIENCE

"Photochemical Pattern Transfer, Enhancement, and Biomolecular Recognition in Thin Film Silica Mesophases," by Atul Parikh, UC Davis Department of Applied Science. 4 p.m., Bldg. 661 (Hertz Hall), room 7 (open area). Refreshments served at 3:30 p.m. for a "meet the speaker" session before seminar and at 5 p.m. after the seminar. Contact: Estelle Miller, 2-9787.

Wednesday
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INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Open Topics in Parallel I/O," by Bob Ross, Argonne National Laboratory. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Tyce McLarty, 4-6975, or Leslie Bills, 3-8927.

MATERIALS RESEARCH INSTITUTE

"Stabilization of Human Blood Platelets in the Dry State: Lessons from Nature," by John Crowe, UC Davis. 3:30 p.m., Bldg. 219, room 163 (open area).

Contact: Laura Martinez, 2-0620.

Thursday
18

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"The Rate of Corrections and its Application in Scientific Computing," by Zhiqiang Cai, Purdue University. 10:30 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Jim Jones, 3-5194, or Leslie Bills, 3-8927.

Friday
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MATERIALS SCIENCE & TECHNOLOGY

"Putting Dirty Plutonium into a Consistent, Durable, and Undesirable Ceramic Form," by Bart Ebbinghaus. 3:30 p.m., Bldg. 235, room 1090 (uncleared area). Coffee and cookies served at 3:20 p.m. Contact: Thomas E. Felter 2-8012.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the news-group llnl.meeting, contact the registrar at registrar@llnl.gov.

NEWS OF NOTE



Lab employee shows rewards of education

By Elizabeth Campos Rajs

NEWSLINE STAFF WRITER

When Gail Everson's husband suffered his first heart attack 12 years ago, it served as a wake up call.

With four teenage children, Everson, who was working as an administrative assistant, realized she needed to have a job that would enable her to support her family.

So she enrolled at Las Positas College and earned a certificate in occupational safety and health.

"Then my husband had a second heart attack and I realized I had to go for a degree," Everson recalled recently.

When she began taking classes at Las Positas for an associate's degree in occupational safety, she applied for and received a Women's Association scholarship.

"Meeting women who had accomplished so much was very inspiring to me," Everson said, as was being part of the group of women awarded scholarships.

In recent years, Everson has been invited to share her own inspirational story with the Women's Association's newest group of scholarship recipients.

The Women's Association scholarship program is available to employees who have worked at the Lab for at least one year, who have completed two semesters of academic work in the last 18 months and who have not received more than two LLLWA scholarships.

Qualified applicants are judged on their educational history, transcripts, their statement of objectives and a personal interview.

Applications are now available for the scholarship program. The deadline to apply is Friday, Oct. 19.

For Everson, earning her associate's degree was only the beginning.

Once she earned her degree, she became a health and safety technician in Hazards Control. But when she wanted to advance to the next level, she discovered she needed a bachelor's degree.

She enrolled at Cal State Hayward and earned a bachelor's degree in health science.

"At the time, my son was 16, my daughter was 14 and the twins were 12. I was working full-time and commuting from Tracy," Everson said.

But her children and husband were very supportive of her education. She studied with the kids and her husband helped her with her algebra homework. Once she completed her degree, she received the promotion at work.

Everson's children are now grown and she's been working as a health and safety technician for six years, but her quest to move up the career ladder has not slowed. She has now set her sights on becoming an industrial safety associate — which means more education.

"My department said I have to have an associate safety professional certificate," Everson said.

She took the course and completed the certificate in July. She's applied for an industrial safety



Gail Everson earned both her associate's and bachelor's degrees with help from the LLLWA.

associate position and already has her eye on the next certificate she wants to complete.

Applications for the Women's Association Scholarship Program are being accepted through Oct. 19. The program provides financial support to LLNL employees in their pursuit of educational training as a means of career and personal advancement.

For complete information on the application process, including eligibility and selection criteria, go to the Website at: <http://www-r.llnl.gov/lllwa/scholarship.html> or call Joni Schulz at 2-4168.

Scientists awarded for work in modeling subsurface groundwater

A poster display of a Laboratory-developed method for groundwater cleanup has earned three scientists an award from the American Association of Petroleum Geologists.

The poster by Rick Blake, Charles Noyes and Mike Maley of the Environmental Restoration Division won the H. Victor Church Memorial Award for 2001 from the association's Division of Environmental Geology, Pacific section. Entitled "Definition of Hydrostratigraphic Units Within the Alluvial Sediment at LLNL," the poster describes how scientists have characterized the complex maze of geological zones underlying the

Lab and surrounding area and used that information to accelerate groundwater cleanup.

Using data gathered from 500 boreholes drilled as part of the Lab's groundwater cleanup program, scientists identified seven layers, or "hydrostratigraphic units," and determined how these are interconnected, allowing them to better understand the migration of contaminants within and between these layers.

The layers were characterized using "hydrostratigraphic analysis," a process that allows scientists to integrate chemical, hydraulic and geologic information into a detailed three-dimensional

model of the "subsurface environment." Armed with numerous maps showing the contaminant distribution within hydrostratigraphic units, environmental scientists are able to strategically locate extraction wells where they can pump and treat ground water from the most contaminated areas at the LLNL site.

"Hydrostratigraphic analysis allows us to map individual contaminant plumes. We now understand where the pathways are," Blake said. "We can simulate cleanup scenarios and find those that are the most efficient and cost effective."

HOME seeks Lab talent to entertain runners, fair volunteers

By Ted Michels

RUN FOR HOME CHAIRPERSON



Last Friday the Computation Directorate announced the coming of its Run for HOME event on Oct. 31, to kick off the Laboratory's annual campaign to Help Others

More Effectively (HOME). This year, our local and national communities have greater needs than usual.

Once again, our nation has demonstrated a remarkable generosity and a determination to help those in need. As we take up our own responsibilities here at the Laboratory, the Computation Directorate wants to make this "Run for HOME" not only productive for the charitable efforts we support but also a celebration of our generous American spirit.

To make this event as festive as possible, we want to invite the talented people of the Laboratory community to grace this event with home-grown entertainment along the race course and among the HOME Fair tents and staging area.



Circus acts, such as the juggling networking group, are needed to entertain HOME runners.

We need circus entertainers

Our theme this year is "Circus." We invite all of you jugglers, magicians, clowns, balloon artists, fire-breathers, sword swallows and other circus-style talent from the four corners of the Laboratory to sign up to entertain our Run for HOME participants and volunteers and

to encourage us all to help the best we can in this important effort. We know there is a wealth of talent among Laboratory employees — one of our observers spotted a very entertaining unicycle rider in the vicinity of Bldg. 111 recently. We're looking for him and others like him to step forward and perform for us.

Any employee can sign up to be part of the entertainment. Please contact Jenifer Contiente at 2-6644 or by e-mail at contiente1@llnl.gov to become part of the festivities.

Prizes for costumes

Also at the Run for HOME event, a panel of distinguished judges will be reviewing costumes, looking for those worthy of the fine prizes waiting for those demonstrating the HOME spirit in four costume categories:

- Best circus clown costume
- Unique costume
- Best group costume
- Best overall costume

Just show up in costume at the staging area on Oct. 31 (remember, it's Halloween) and help make this event as festive as possible. More details of the "Run for HOME" event are located on the web at: <http://www-r.llnl.gov/home2001/runforhome/runforhome.html>.

Ted Michels is the chairperson of the Run for HOME event.



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.inl.gov/newsline/ads/>

AUTOMOBILES

1994 - Mazda Protege. 5 speed, sun-roof, power package. 4 new tires. Original owner. 130K freeway miles. Maintenance records avail. \$3500. 925-837-1770

1995 - Ford Explorer SUV, 2DR, 69K mi, great condition, air, bags, alarm, running board, roof-rack, ABS, 4WD, tow pkg, etc. \$9500 925-447-6707

1998 - Toyota Camry LE. Excellent condition. Newer tires. Keyless remote. Drives and handles great. Asking \$13,000. 209-839-9497

1993 - Oldsmobile 1993, Ciera V6, Excel. Cond. Orig. Owner, 70K \$3700, 925-484-5272. 925-443-5676

1991 - Nissan Maxima 112K miles, a/c, cc, pwr windows runs excellent well maint. Clear coat peeling. 3700.00 OBO 925-443-5008

1988 - Chevy Celebrity, 81000 original miles, Clean and dependable. \$2,200 OBO 925-447-0558

1996 - Honda Prelude VTEC. 5 speed, cd/cassette, alloy wheels, power windows, door locks and moon roof. 83kmi with all records. Very good condition \$11,300. 925-447-1927

1994 - Dodge Stealth, 46K miles, red, AC, V6, automatic, sun roof, leather seats, new wheels & tires, new rear brakes, pwr windows, very nice car. \$8400 925-443-1390

1965 - VW Camper Van - Needs some body work, recently rebuilt engine, safari window kit, side tent. Make offer. 925-443-1547

1990 - 300zx 2+2. 150000 miles. T-Tops, black leather, built in radar detector, clifford alarm with smart windows. All receipts \$7,000 209-599-5767

2000 - Pontiac Firebird convertible (power top), 3.8L V6 engine, A/T, AC, PW PA ABS, premium CD sound, warranty, just permaplatted, reduced to \$22,000! 925-556-1169

1996 - Plymouth Grand Voyager SE, 49K miles, excellent condition, no AC, \$11,500 925-371-1317

1990 - Mazda Mx6, 5 speed, air conditioning, sun roof, clean interior, excellent running condition, \$2800. 925-736-0960

1966 - Classic Ford Comet Caliente, red, 2dr, stock 289 v8 automatic, call eves, 209-464-6298

1995 - Camaro, fully loaded, leather, T-Top, flowmaster, CD, tinted windows, power seats, well maintained, SHARP, one owner, \$8750 925-373-4791

1995 - Saturn SL2, Automatic, 33K miles, 4-door, one owner, A/C, AM/FM/Cassette, excellent condition \$7,800 OBO 209-529-5332

1996 - Buick - Roadmaster, last year this car was made, fully loaded, power everthing, 76K Hwy miles, excellent condition, KB: \$13,800. Asking 12K. 209-652-8344

1989 - Ford Aerostar extended length minivan, V6, 172K miles, excellent condition, one owner, AT, AC, PW, PL, towing package, roof rack, \$2200 OBO. 925-455-4576

1989 - Honda Accord, 2 Door, 5 speed - \$2000, OBO 925-447-0546

1978 - VW Camper van. Good condition inside and out. No rust. \$2950. 925-960-9517

1993 - Ford Taurus LX wagon, 3.8L, power everything, leather int, 75K miles. \$4800/OBO 209-835-8976

1997 - Chevy Camaro Z28. 30 Yr. Anniversary Edition. Excellent condition. \$13K. 925-456-0320

2000 - Chevrolet Metro 4Dr, Automatic, Air, Good MPG, reliable - great for commuting, \$6000 OBO

925-456-9595

1992 - Mustang GT 5.0, 99k, excellent cond, customized, be good to yourself! Only \$6900. 209-836-9082

1991 - Toyota Camry 4Dr Wagon, 4 cyl., AT, AC, PS, PB, Crs Contrl, AM/FM, power windows/locks, 93k, good condition, \$4600 925-443-3343

1996 - Saturn SC2, Blk with blk interior, very sporty, in excellent condition and has lots of options. Manual trans w/79K miles, \$6,500. 925-736-1505

1966 - Red Ford Mustang - new paint, interior, brakes, tires, front suspension & rebilt eng. \$9K. 510-581-3651

1988 - Pontiac Grand Am, Black, 4 cylinder turbo, 30mpg, 5 speed, 147K miles. \$1,500 925-373-2528

1994 - Honda Accord, 75K miles, AC, Pwr steering, AM/FM stereo cassette, Dual Air Bags, Manual transmisson, Runs Great! \$6400 925-294-8990

1988 - VW GOLF, 2 door, manual trans., 75,500 miles, \$2,200 925-449-7782

1992 - Honda Civic CX hatchback, 5 spd standard w/AC, cassette, 113K miles, regular service. Asking \$3,000 obo 925-846-0993

1994 - Toyota Previa LE AWD Van. Blue ext/int, super-charged engine, A/C, in-dash CD, 84K miles, recent tires. Excellent family transportation. \$8500. 925-519-2130

1994 - Honda Accord LX. Power windows, doors, locks. Red with grey interior, Cruise, AM/FM Cassette & CD. Very good condition. 85,000 miles. \$6,750. 209-835-7995

1990 - Olds Cutless SL Loaded/New Tires Low Miles 53,000 RUNS GREAT \$4,000 925-443-1847

1989 - Jeep Cherokee SUV; dk gray 4x4, 4dr, tinted pwr windows, pwr doors, tilt, a/c, extra camping box w/ tow avail., well maintained. \$4000 OBO. 925-737-3519

1999 - Chevrolet Camaro, 2-door coupe, excellent condition, 12-change CD & cassette, power windows & doors. 33,000 miles \$15,000 925-484-2217

1985 - MazdaRX7, GSL-SE, all leather, new stereo, seats, 5spd, tach, runs great. 126kmi. Asking \$4000/bo. 925-447-3283

1993 - FORD EXPLORER 4X4 All the bells and whistles very good condition 112k miles \$7900 obo 925-455-8980

1991 - Blue Dodge Stealth ES, 5 speed. Good shape. CD, PW, PDL. New Timming belt, alternator, water pump. 169,000 miles. \$5200 obo 510-535-2134

1996 - Ford Explorer XLT 4X4, 5-sp manual, Goodyear tires, full mechanical inspection, excellent condition, includes Yakima sport rack system, \$12,500 OBO. 925-373-3340

1978 - /530i-BMW-240K/Miles original owner- Engine 120K/miles. Lots of power. Runs great. Smogged last week. Ready to go. Clean. \$2800. Slept indoors. 925-838-9038

1995 - Volvo 850 Turbo 4-door sedan, exc cond, white w/beige leather int, AM/FM/CD, moonroof, power steering/windows/locks, 120K, bring fair blue book ofr 925-449-6367

1988 - BMW 635csia, 2-dr coupe, silver/gray int, excellent condition, p/s, p/b, p/windows, sun roof, auto trans, a/c, cruise control, 157K mi, \$8000, 925-838-7597

1985 - Jeep Wagoneer, new tires, windshield and more \$800.00 209-832-3135

AUTOMOBILE ACCESSORIES

4 Stock Crome Wheels & Tires off New Chevy Silverado Truck. Size

235/75 R16 \$100.00 For All 4. 510-357-3995

Convert your B body Chrysler to disc brakes. Have all parts. Rotors, calipers, spindles, etc. \$100.00 209-957-3289

Soft Top, Jeep Wrangler TJ, Black, Factory, Complete with all hardware: Windows, Bows, Door Pillars, Brand New, \$450. obo 925-443-3970

12 Bolt rear-end, 53 inch wide, set-up for leaf springs, eyelets on top, \$50 209-239-1770

36in.x14.5in.x16.5R Super Swamper TSL tires. Used 2 mos. \$600. 35in.x12.5in.x16.5R BF Goodrich tires. \$350. 925-513-0412

Carburetor, Edelbrock #1400, 4 barrel 600 CFM CA legel, Electric Choke, ERG and vacuum ports. Used 8 mo., to big for my engine. \$270.00 new, \$140.00 925-443-7729

4 Tires w/ Rally rims-205/60 R15. Fits Chevy 5 lugs. \$500 OBO. Cell# 925-548-4524. Home# 925-371-7066

Third seat for 97 expedition, gray cloth, \$100 or best offer. Call after 6 pm or weekends. 209-825-1776

4 Yokohama tires 195/60/15 \$140/obo 510-732-5885

BICYCLES

Cat Eye Cordless speedometer model CC-CL100, receiver only. In working condition with new battery. \$10. 925-829-4124

Ladies 10 speed \$15. Girls toddler starter bike. \$5. 209-832-1321

Trek 12 speed road bike. Steel frame Shimano 105. Look pedals. Good cond. \$90./BO. 925-443-3447

BOATS

Klamath 14ft aluminum boat, 9.9hp Chrysler motor, Calkins galvanized trailer, hummingbird depth finder, \$2,300. 925-606-6533

29 feet CASCADE 1965, coastal cruiser/delta dawdler - sleeps 4. Well maintained plastic classic. Full boat cover. \$8000 925-455-1392

17 ft 1980 Wellcraft boat. Volvo 140 mtr, 280 penta outdrive, Trolling mtr, fish finder, downrigger, AM/FM radio, Great fish/ski boat. \$5000 bo. 209-869-5362

1976-19ft. Sea Ray Seville bowrider. New canvas top. Recently mechanic tested & maintained. I/O motors. V8 engine. 209-463-9900

Fold-up Portaboat. Light, easy to handle and transport. Great for fishing small lakes/streams. \$350 925-443-6268

CAMERAS

Nikon AI lenses: 55 mm macro f2.8, \$200; 105 mm macro, f2.8, \$300. Nikon F body/DA1 action finder \$250. 925-443-4292

CamCorder, full-size RCA CC-250, with a problem. Records and plays almost always, but shuts down sometimes. Two batteries and VCR cable. \$20.00 OBO 925-443-7729

ELECTRONIC EQUIPMENT

MAC Performa 6400, 180MHz, 90MB RAM, 200MB HD, CD ROM, modem, ethernet card. Includes CPU, monitor, keyboard, mouse, software, and scanner. \$170. 925-846-3653

BLACK LEATHER CASE for Visor Prism, gently used but in great shape, \$10. Great deal on \$25 item! 925-455-4666

GIVEAWAY

Hot Tub seats 6-8. Cal X Spa 10

years old. Needs minor work. You haul. Free 209-832-1321

1984 - Dodge Aries, new battery, good tires, good body, needs starter - FREE if you come haul it away 925-447-1944

MISC 69 MUSTANG parts: Drivers window, window regulator, tail lamps, sun visors, window mouldings, factory am radio, etc. FREE 925-961-0601

86 inch couch. Structurally sound. Needs recovering. 925-820-6081

IBM ProPrinter, b/w printer. Old but works. 925-229-2240

FORD late model mustang GT fog lights, factory ford, no lenses, w/bulbs 925-961-0601

Duke the Black and White Bunny. Full grown Bunny, 1 year old. Comes with wooden cage. Free to loving home. 925-679-1066

Giveaway. Large wood dog house, shingled roof, glass window, wood floor (4ft x 5ft x 4ft high). Call afternoons & evenings for directions. 925-462-9220

Hot Tub 10X10 requires minor electrical work. 209-832-1321

HOUSEHOLD

RETRO-DELUX TABLE, 50s era formica top. Yellow, double drop-leaf. Good condition. Great for breakfast nook. \$20.00 YOU PICK-UP. 925-454-8874

Entertainment center. Solid wood, blonde stain in color. Holds TV up to 32 inches. Small glass door and adjustable shelving. \$150. 925-837-1770

Moving-must sell! Sofa/loveseat, oak entertainment center, bedroom set, computer desk, aerobic rider & more. All items under 3-years old. 209-832-3312

REFRIGERATOR, 17 cu. ft., white, clean, works great, has new defrost timer, \$95. 209-823-4795

Chandelier, Octagon. Antique-brass frame with clear, beveled glass. 21-inch wide. Nearly new condition. \$40. 925-484-0475

Dining room table, chairs and china hutch. Excellent condition. \$1999. 925-443-7543

Small oak desk, 41-in wide by 29 in deep, 4 drawers (1 file drawer), perfect condition \$150 OBO. 925-443-9594

Bei Divani Italian leather (Ice) sofa, loveseat and armchair. 11 mo. old paid \$2850.00 sell for \$700.00 925-373-9471

Reducing Sale: Teak hutches, dining table, antique oak dressers, sheets/towels, misc. dishes, cookware and more call in PM for details 925-935-6987

FRANKLIN COVEY Ergo Punch, pocket size, practically new. Not lab issue; bought with own \$. \$25. 925-455-4666

36 inch GE cooktop w/down draft vent and oven. New - never used, still in the box. Call for more details. \$1,200 for all 3 items. 209-652-8344

Apartment starter set - dishes, cups, cookware, utensils, bakeware, silverware, bathroom set (tumbler, soap dispenser, toothbrush holder). \$40. 925-487-7144

Sony Trinitron 27in. color television w/remote. Works great. \$75 obo. 925-447-1724

Living room set: sofa, love seat (smoky blue), matching end tables, coffee table (walnut). All excellent condition. \$200.00 obo for set. 209-835-6062

Lawnmower-gas, Murray 20in. rear bagger, good cond \$40. 209-833-1201

Dining room table, solid oak, one leaf

4 chairs. \$300 925-447-4797

GE Upright Freezer w/ht frostfree 4yrs old cap.20.3 cubic ft \$275.00 exc.condition 209-823-9607

5 plastic 55 gallon fruit barrels with screw down lids, only \$10 each. Clean and in great shape. Cost \$18. 510-791-8623

Sears Kenmore washer. Works good. Replaced getting ready for retirement. You pick it up in Discovery Bay and it is yours for hauling it away. 925-513-3538

Air Compressor, Emglo DVS, 100% duty cycle, 150psi, dual control, 8 gal. twin horizontal tanks, like new, call for price. 925-837-4542

Beautiful antique Armoire. Must sell. 925-449-7751

Oak Entertainment Storage Unit and lighted Curio deck. Lockable drawers, glass enclosed shelves, vcr/dvd area. Excellent! 53Lx71hx16D. \$250/bo 925-449-4261

LOST & FOUND

Gold bracelet found in parking lot in front of T4182, two weeks ago 925-606-0693

Found, money clip in bld.511, 925-447-7394

3:15 Tuesday, 10/2, briefcase lost between B132 west exit and Southwest Lab entrance. By 30 minutes later, it had been picked up. Please return. 925-443-4514

Found in East Parking Lot of B-170: Gold Hoop Earring, rounded oblong shape. 925-449-5560

Prescription Eyeglasses in a hard brown case left in a bicycle outside of b111 on Friday, Sep. 14. 510-482-5359

MISCELLANEOUS

Benefit car wash on Sat.Oct.13th from 9-3 at Golden West School in Manteca. All proceeds will go to Paul Anthony Placencia Jr.'s Memorial Fund. 209-466-4519

2 Bally Fitness memberships, \$400 each/\$750 both. Dues \$9 per month. 925-479-0958

CALLA LILY common white, 6 avail take all for \$10 925-447-6192

Opera tickets, Meistersinger, Front row Dress Circle, Matinee Oct 28. 443-8755

Sporting Equipment too much to list. 209-599-1059

Annual HUGE GARAGE SALE multi-multi-family Fri-Sat Oct 12-13 926 Alden Lane 925-455-9414

25 inch Fisher console TV with Remote in very Good condition \$190. Call Evenings : 925-828-6568

STEREO EQUIPMENT - Klipsch Cornwell speakers \$400/pair; Yamaha A-700 360watt amplifier \$150; T-500 AM/FM stereo tuner \$25; K-600 cassette deck \$25. 925-455-0515

FRANKLIN PLANNER black leather zipper binder, pocket size, holds Palm or Visor. I paid \$60, will sell for \$30. 925-455-4666

10 inch Craftsman table saw. \$250.00 209-652-8344

Hot tub - Large capacity 400 Gal. 220VAC, 11 years old. Slow leak, BO over \$100.00. Sold as is. 209-835-6257

Militaria/Optics collectors. Bausch & Lomb 1m optical rangefinder and case. Mfd. WWI (1917); Ser. No. 2X, Exc. Cond. 209-239-2154

2002 East Bay Entertainment Books \$30.00 to support Livermore American Indian Ctr. New Boys Levis, size 7, 7x, \$15.00 925-516-2728

PARTNERSHIP

Continued from page 1

butions to our efforts, as well as the growing field of proteomics and protein microarray technology.”

Phylos has developed a broad enabling technology in combinatorial biology which it describes as mRNA display, otherwise known as Phylos’ PROfusion technology. This technology, a cornerstone of Phylos’ platform in directed protein evolution, is based on the use of

libraries of covalently linked nucleic acid-protein molecules. PROfusion technology enables the rapid selection of specific proteins with desired properties. Once proteins are selected, their population can be significantly enriched by PCR-amplification of the genetic tag that is attached to each protein. Strict control of the selection conditions, together with sequential rounds of selection and amplification, allow Phylos scientists to develop proteins that possess specific characteristics of interest, such as high affinity and specificity.

Phylos uses its PROfusion technology to produce and identify high affinity, target-specific binding proteins. The immediate focus of the company is to produce large numbers of binding proteins, based on its proprietary TRINECTIN protein framework, to allow the assembly of high-throughput protein profiling platforms, such as microarrays. In addition, the company is utilizing the technology to identify and validate new therapeutic targets, as well as to create new biotherapeutic molecules.

Baby crib & change table. White-washed Oak, like new. \$300.00 209-543-6788

Toddler bed with mattress great shape \$25, stroller sit and stand by baby trend LX3 great shape \$75 OBO. 925-447-4797

Cleaning Tank. Like New. \$75 925-606-0480

Radial Arm Saw, 10 in Craftsman on rolling cabinet, dust catcher, extra blades, dado, accessories. \$275, 925-294-8359

Cherrywood standing jewelry box: Top opens for rings; lots of drawers and two side cabinets to hold long chains, bracelets, etc. \$50/obo. 925-447-8264

Fishing club (Bass): Diablo Valley Hawg Hunters; last Tuesday of the month @ Livermore Airport Terminal bldg, 7:00 pm. Boaters/non-boaters welcome. 925-443-2114

Ryobi Trimmer Plus, gas powered string trimmer, brush blade, blower vac attachment, used 1 season, like new, \$125 925-462-2543

Carpet Kit - Fits small size, short bed truck. Excellent condition. \$150.00 925-449-8035

Hamilton VR-20 electric drafting table/accessories, \$150. 925-447-5399

MOTORCYCLES

1997 - Harley Davidson,Dyna, Convertible, show room condition,extras, 3 yr factory warrantee, 13,500 miles, \$13,500 209-847-1231

85 - Honda FL350 Odyssey. Blown top end, I have the parts but no time. Honda service manual. Make me a reasonable offer. 209-599-5767

1995 - Harley 883 Sportster Hugger XL - \$4900/obo 209-832-0434

2000 - SUZUKI DR650 dual sport, only 1400 mi, like new, garage kept, paid 6k new, moving must sell \$3500firm 925-961-0601

1970 - Honda Trail 70 on/off road mini motorcycle. This Trail 70 is in excellent original condition, starts and runs strong. \$799. 925-371-8257

1995 - Harley-Davidson XLH Sportster 1200. Great bike! Black, chrome, windshield, bags, pipes. 24K miles. \$7500. 925-560-1129

MUSIC INSTRUMENTS

Piano, upright D Baldwin by Howard (1963). Moving and must sell - \$200. 925-606-1839

Epiphone C-40 Classical Guitar. New strings. Includes electronic tuner, songbook & semi-hard case. Easy on fingers & great for beginners! 925-487-7144

Clarinet. Selmar B-Flat clarinet, good condition. \$300 OBO. 925-447-4345

PETS & SUPPLIES

Young pheasant roosters for sale \$5.00 each 925-447-6728

Pomerian Puppies Two males \$400.00 with AKC papers. 209-951-1934 leave message on machine. 209-951-1934

Alaskan Husky, young male adult. Playful, friendly, likes cats, needs room to run. Free to a good home.

Save me from the pound! 510-582-0333

Chinchilla + cage and accessories. Cuddly pet with nice personality. \$35 209-239-5685

Lab Puppies: Yellow, 1 female and 1 male, 4 months old. All shots given. AKC papered, and great lineage. \$550.00 209-754-3327

RECREATION EQUIPMENT

Fit-One Exercise Ski Machine. Like new. Paid \$300. Sell for \$50. 209-832-2790

Self-propelled Treadmill, easy foldup, integral cassette player, adjustable, nearly new. \$75 925-484-0475

Portable Basketball Backboard, good condition. \$80. 925-485-1988

Technical Diving Gear - Full face Interspiro AGA, Underwater Video with microphone and lights, Dry Suit, Navigation Board, BCDs 209-599-1059

SNOWBOARD-K2-Zeppelin,size143,with rossignol bindings, great condition,3 yrs old used 3 times.\$200.00/obo. 925-484-5260

Camping tent,nylon, fly, family, sleeps 4. \$25.00. 209-823-5845

Orig. boxed 70s RC kits. Pearce Paragon 3m glider; German Mittelstik (engine N/A). Exc. cond. \$75ea. 2/\$140. Steve. 209-239-2154

Nordic Trak Used VERY little. Paid \$500 asking \$175 After 6:00 209-239-5778

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www.r.lnl.gov/tsmp>.

Orinda/Lafayette/Moraga - Lamorinda carpool looking for 4th member, lab hours 8:15am-5pm 925-253-0498, ext. 2-9823

Danville - Diablo Rd./Front St. area needs driver/rider to complete four-person carpool. 8:15-5:00. 925-831-1569, ext. 2-9858

Walnut Creek - Would like to start carpool from Rudgear Park and Ride. Hours 7:15-4:15. 925-938-3570, ext. 4-3385

SERVICES

EXERCISE: Learn to SQUARE DANCE. The Pleasanton SINGLES & PAIRS Square Dance club. Beginner Classes start Oct. 9 & 16 and are free. 925-449-5927

Hauling Service. Estate Cleanouts, Attics, Garage, Shed & Barns. Misc. 925-373-9540

SHARED HOUSING

Manteca - 3bd/3ba house w/pool & fireplace. 2 rooms for rent w/private bath \$400/\$500 + Dep. No smoking or pets. 209-824-8449

Livermore - Looking for roommate to share 2BR/2bath apartment. Complex has pool, etc, is centrally located, and is next to a bus stop. \$685 + 1/2 utilities. 925-449-3551

Livermore. - Share 4 bdm 3 bath home with two Lab professionals. One mile from the Lab. No pets or smokers. \$500. 925-455-1689

Modesto - Room for rent in 2 bd/2

bath condo, \$300.00/month. Please leave a message. 209-492-0270

Livermore - 3 miles from LLNL. Room in 3 bdr newer home. Pref female. \$550 month + 1/3 utilities. 925-371-2712

Dublin - Share 3BD/2BA apt. pvt. ba. \$700/mo + 1/2 util. non smoker 925-803-1028

Livermore - Semi-Furnished, New Paint/Carpet Room 3 Mi. Away. Share House W Man And Woman, Fun People, Not A Couple. Non-Smoker, No Pets. \$600/Mo + \$600 Deposit. 925-447-3133

Livermore - Room in 3BD/2BA house, furnishings available, all privileges and amenities even cable modem, convenient, a great find! NS/NP, \$450 + 1/3 utils 925-449-3165

Livermore - - 2 Rooms Available \$675/month, full privileges, 1/3 utilities, free internet, 5 miles from lab, beautiful new 2 story home, garage parking. 925-209-3549

Livermore - Springtown. Separate entrance, 1 bedroom, w/kitchen, dinette, living area, bath. N/S, N/P. Single person. \$650/mo plus utilities., deposit req. 925-455-8108

37 Yr. Old woman with two children wishes to share a home with someone who needs elder care or care in exchange for rent. References 925-447-2076

TRUCKS & TRAILERS

1994 - Bounder,class A,Model 34C,Ford, 20K,2a/c,Gen, 2tv,Awning, Queen,B/Ucam,Max storage,Great shape, Extras-\$33,000 after 5:00p.m. 209-835-4138

1996 - Dodge RAM 1500 Laramie SLT pickup, black, V8, Flowmasters, PS/W/DL, CD, A/C, newer tires, bedliner, excellent cond., 74K miles. \$12,700. 925-447-3167

1979 - Chevy 1/2 Ton Pick-up. New chrome rims,professionally built transmission/under 200 miles,new exhaust/flow master. \$3300.00 obo, 925-447-0558

1998 - Toyota Tacoma Xtra Cab Pre-Runner. V6 3.4 Liter, Automatic, AM/FM Cass, A/C, Bed Liner, Alloy Wheels, 51k Miles, MUST SELL, \$14,000 925-634-0360

1995 - Toyota T-100 4x4, in excellent shape, too many extras to list. Will not last long. Only 13,000 OBO. 510-581-1863

1987 - 5th Wheel 29 ft. Nomad. Fully self contained. A/C, Stabilizer Jacks. \$5,000 925-828-3044

1979 - F150 4X4. Posi,RS5000 shocks,33X12.50X15 MT. 4 speed granny low, 460ci, Roll bar, winch. Runs very strong, You smog. Make me an offer. 209-599-5767

1993 - Ford F250, XLT 4X4, low miles, excellent condition, extended cab, 460 V8/7.5LTR w/Banks exhaust system, 5 speed, many extras, \$14,599.00. 925-449-7657

1996 - Chevy Tahoe LT 4x4, exc. condition. 93K miles. Over \$8000 of upgrades. 23K OBO! 925-292-5051

1985 - Chevy Suburban- Diesel,new brakes, tires, and wheels. Needs paint & poss new trans. Great restoration project for a mechanic. 2,000 or best offer. 925-447-5132

1990 - GMC Suburban, 2500, 4-wheel drive, white w/blue interior, very

good condition, 236K miles, \$5,000. 925-640-3686

1984 - 27 foot Jamboree motorhome, 460 Ford 71K miles, newer carpet, couch 3 way fridge, heater, sleeps six, new tires, recent tune up. \$11,300, OBO 925-447-4797

1978 - Chevy-3/4 Ton/350 Engine, orig owner, 61K miles, Dual gas tanks & battery, Flowmaster exhaust, chrome rims & bumper, other extras \$4,000 OBO - 925-447-2047

1998 - Chevy S10, 4 cyl, 3dr king cab, snug top, tow pkg, custom tint, low mileage 24k \$11,000 OBO 925-634-3318

1995 - Chevy Tahoe 4x4, 78K miles, great condition, Blue exterior and interior, \$14,900 or OBO 925-449-1509

1992 - Ford F250 custom. New paint, tires/wheels, brakes, campershell, bedliner, storage kit & more! \$7k obo. 209-832-2790

1995 - 3/4 ton Dodge Conversion Van,V-8, TV/VCR, excellent cond., power rear seat/bed, oak cab/trim, captains chairs, many extras. \$12,500 or obo. 925-454-1526

97 - Blk Toyota Tacoma,under 50K,great cond,4wd,must sell for move, 209-474-6062

1990 - Ford F250, XLT Lariat, Extended Cab, Deisel, w/Banks Power Pack, many extras, \$6250. 209-946-0645

1954 - F-100 302,C4,runs great,tinted, pws/seats,xtra stock & custom parts,350 miles, primed,you finish to suit. \$5000 925-679-1288

1987 - Dodge Dakota LE V6 74,000 Miles \$2,200 925-679-0310

VACATION RENTALS

Maui, HI, condo, RCI Gold Crown, large 1 br. 2 bath sleeps 4. May 9 through 16 or call early for different week, web site discount. 925-447-0856

Maui - Wailea, Ekahi, 1 bdrm, 2ba tropical beach resort. Available 11/12-22, 12/1-9. Also large cabin in Arnold, CA. 510-582-9262

MAUI Kihei spacious 2-bdrm oceanfront condo. Ocean view, white sandy

beach, pools, tennis, BBQ, snorkeling, whale watching. Low LLNL rates. 925-846-1459

Puerta Vallarta, - Enjoy the holidays at the Costa Vida Resort. 2 bdrm condo overlooking the pacific. 12-27-01 thru 01-03-02 and 01-03-02 thru 01-10-02. \$875 per wk. 209-545-1308

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, nicely furnished,all amenities, Park with Lake, tennis etc.Off-season Rates! Reserve Holidays/Skiing Now! 209-599-4644

WANTED

Iris bulbs, any color any amount. 925-447-4797

Bicycle tag-a-long/third wheel for child. A bad tire/tube is OK. 925-456-5620

Il am looking for books or magazines with information on model sailboat building/racing. 925-706-7444

Wanted: broken, unusable or old surfboards or boogie boards 925-443-4292

Garfield items and seashells, all types, free or cheap. Sundays newspaper coupon inserts and all other coupons. 925-516-2728

Desk top transcriber for full size cassettes with foot controls & head phones/jack. 925-454-1526

Wanted: 100 foot electric sewer snake, in good condition. 925-447-3618

Toddler toys, crib, youth bed, size 3 or 4 roller blades, halloween costume for large 6 year old boy. 925-455-0164

Wanted: SHARKS tickets! Regular season, weekend or night games. 510-635-2734

Looking for a used cruiser style motorcycle in good mechanical shape for a reasonable price. 925-443-4639

Truck Wheel - One 15 inch X -7 inch wide, 5 bolt wheel needed for my 77 Dodge Truck spare tire. 925-443-7729

Wanted: NuSkin distributor to buy Celltrex from. 510-530-1884

Guidelines

Newsline is not responsible for any errors contained in the classified ads. It is up to the employee to proofread his or her ad to make sure it contains the correct data, including the phone number.

Employees are reminded that only car- and vanpool ads may contain Lab extensions. E-mail addresses are not allowed.

Due to space limitations, Newsline cannot run ads that are submitted in all capital letters. "Personals" ads are not permitted either.

Employees may submit one ad per category, but may not include the same ad in more than one category.

Ads may only be submitted through the Employee Ads Web Services site <https://www-ais.llnl.gov/newsline/ads/>



THE BACK PAGE

PSOs

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officers, sergeants and watch commanders are working 12-hour shifts, five days a week, said Eric Steele, Protective Force Division leader. "We are planning for this heightened state of alert to be long-term."

In the early hours of Sept. 11, shortly after the attacks were reported, the phones in the Protective Force Division started ringing off the hooks.

"When the attack happened, we couldn't get enough people answering phones. They were all calls from officers off-duty who wanted to come in," Sgt. John Smalls said.

Protective Force had a high-alert emergency plan in place and it took less than 90 minutes to swing into action, Steele said.

"We went immediately to security condition 2. We put security measures for the Lab in place and opened the Security Operations Center and directed operations from there," Steele said. "People who were planning to go home from the owl shift stayed and additional officers came in."

The heightened state of alert is noticeable, from the closure of pedestrian gates on East Avenue and the addition of a security check point at the South Gate and southwest entrances to the increased patrols through buildings and expanded searches of all deliveries.

Many employees have called PFD to commend the officers, Sgt. Gary Abundis said, and all of those compliments have been passed on during roll call.

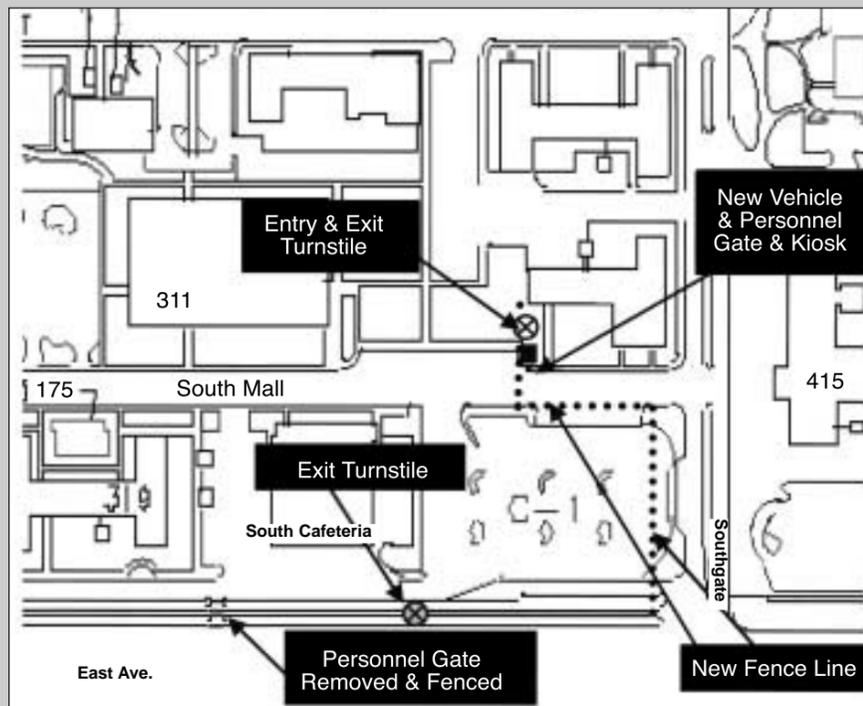
"I've been receiving calls about the extra attention the employees have been receiving and the help they've been getting," Abundis said. "I encourage employees to tell the officers at the post. It would be nice for them to hear it directly."

There have also been a few complaints about the

New South Mall access controls take effect

Beginning Monday, new access controls will be implemented at the South Mall area to improve the flow of traffic and reduce traffic hazards in the area. The security checkpoint now located at the outermost vehicle gate will be relocated to South Mall Drive, just east of the South Cafe. Until gates are installed at the new security checkpoint, it will be open 24 hours a day, seven days a week.

Once the gates are installed the operating hours will be Monday-Friday, 3:30 a.m. to 10 p.m. This gate will be closed during off-hours and on Lab holidays and weekends. An electronic turnstile for exiting and entering the South Mall area will be installed next to the gate to allow access for personnel with DOE standard badges who are enrolled in the LLNL automated access system.



A heightened state of alert is reflected in this South Mall configuration plan, which shows the location of the new access booth and exit turnstiles.

increased security measures, Steele acknowledged.

"It's contrary to the university-style of business. It's a paradigm shift and we understand that," Steele said. "This is not a short-term situation, however."

Lab population. These are trying times. We're doing everything we can so employees can continue doing their jobs."

HYPERSONIC

Continued from page 1

"In a way, this flight was reminiscent of the Wright Brothers' first flight: short, but important," said Carter, a member of the Lab's Engineering Directorate.

The scramjet (supersonic combustion ramjet) was launched from a gun because such engines must travel at hypersonic speed in order to capture and compress air to supersonic speed for combustion. The test engine was integrated within a cylindrical vehicle with an on-board hydrocarbon (ethylene) fuel system.

"In the technical community, it's well known that the key to making a scramjet-powered vehicle work is integration — designing the airframe, engine and support systems to work synergistical-

ly," Carter said. "Scramjet technology itself is really very advanced due to many years of wind tunnel tests. However, demonstration of an airframe and an engine working together must be done in flight, and this flight was a first step along that path."

The test was conducted at the U.S. Air Force's Arnold Engineering Development Center in Tennessee by DARPA and GASL, a division of Allied Aerospace Industries Incorporated.

Additional flight tests are planned, with higher performance scramjet engines and longer flight durations.

Carter is in his first year at DARPA.

"Working as a DARPA program manager, here in DC, has been an incredible learning experience," Carter said. "There's a great deal of excitement in the hypersonic community right now, and we've made a lot progress. But there's still much I

wish to accomplish before I'm finished here."

Carter is looking forward to returning to the Lab after his stint at DARPA.

"I miss the people, and the broad-based science, and I'm eager to share what I've learned."



STUDY

Continued from page 1

agree, and so the Laboratory is obligated to turn over these studies to the plaintiffs. The Laboratory is also making the studies available to employees.

"We want our employees to be aware that the studies could become public documents," Tulk said. "We also want to offer our employees the opportunity to discuss the subject with

their supervisors."

The studies will be made available in the Lab library today.

The Lab Counsel's office originally commissioned the studies as a response to concerns that were being raised about pay equity by some ethnic and minority employees. The studies compared salaries of employees within a rank group. The reports were not intended to serve as a Lab-wide statistical analysis, but rather to serve as a "prompt" for associate directors to review specific salaries and rank.

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PO Box 808, L-797
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